

REMARKS

This responds to the first Office Action. Upon entry of this amendment claims 1-3, 10-17, 19 and 20 remain pending. Claim 1 is the only independent claim.

Specification

The abstract and the disclosure of the specification have been amended herein in an effort to address the issues raised by the Examiner.

35 U.S.C. §§ 102,103

Claim 1

Claim 1 has been amended to include subject matter formerly recited in claims 4, 7 and 8. As such, the Examiner's § 102 rejection of claim 1 has been overcome.

Concerning the rejections made under § 103, the applicant respectfully submits that amended claim 1 defines over the prior art of record. Claims 5-17 were rejected as unpatentable over Dasan in view of Rowe et al.

Summary of Claim 1

Applicant's method as recited in claim 1 relates to a process for generating an interactive enhanced electronic newspaper file that corresponds to a particular hardcopy newspaper.

The method includes receiving "raw" input data that represent a current page of the hardcopy newspaper. The current page has a predefined page type.

The input data for the page are parsed to extract therefrom page information data that represent a general layout of the hardcopy page. The parsing step includes extracting

more than two of: (i) text data; (ii) text position data; (iii) font information data; (iv) image position and size data; and, (v) bitmap data that define a bitmap of the current hardcopy page.

The extracted “page information data” are stored in a current page database.

One of a plurality of different predefined page information databases are then selected based upon the page type of the current hardcopy page.

A preprocess file is then derived for the current hardcopy page using the data from the current page information database and also using data from the selected page type information database. The preprocess file defines a preprocess layout that corresponds to the general layout of the current hardcopy page of the hardcopy newspaper. The preprocess file defines certain portions of the preprocess layout to be links that are active and selectable by an end user.

The step of deriving a preprocess file requires processing the extracted page information data stored in the current page information database to locate the presence and location of select page definition information on the current hardcopy page of said corresponding hardcopy newspaper including more than two of:

- (i) “refer text” that refers a reader to a page other than said current page of said corresponding hardcopy newspaper;
- (ii) “headline text” that introduces a story;
- (iii) “URL text” that defines a URL for a web site;
- (iv) “e-mail address text” that defines an e-mail address;
- (v) “word location data” that define a location for each word of text on said current page of said corresponding hardcopy newspaper;
- (vi) “character location data” that define a location for each

- constituent character of each of said words of text on said current page of said corresponding hardcopy newspaper;
- (vii) "headline font data" that facilitate identification of headlines on said current page of said corresponding hardcopy newspaper; and,
- (viii) "refer font data" that indicate a presence of text that refers a reader to a page other than said current page of said corresponding hardcopy newspaper;

The preprocess file and the original "raw" input data that represent the current page of the corresponding hardcopy newspaper are then input into an interpreter that generates a "current page output data file" that defines the current hardcopy page according to the preprocess layout and in terms of a select output data format different from said input data format. The current page output data file includes output data associated with the links so as to be active and selectable by an end user on a computer display terminal to link the current page output data file to one of: (i) another output data file (another page); (ii) a supplemental data file (e.g., pictures, video, sound); and, (iii) an auxiliary process (e.g., e-mail).

The current page output data file is stored.

The above steps are then repeated for all pages of the hardcopy newspaper to generate and store a plurality of current page output data files corresponding respectively to a plurality of pages of said hardcopy newspaper.

The Dasan Document

The Dasan document does not relate to a method as defined in claim 1.

According to the method of Dasan, a user inputs his/her a profile of subjects of

interest, and the system searches through various unrelated raw news sources (news feeds, newsgroups, etc.) in an effort to identify subject matter that matches the profile. News stories that match the user's profile are assembled into an "electronic newspaper" that the user can review instead of actually reviewing the raw news. As such, the method is a filtering system that presents news deemed to be of interest to the user based upon the user's profile. The Dasan document includes no disclosure or fair suggestion for receiving data corresponding to an actual hardcopy newspaper, processing same to identify more than two of:

- (i) "refer text" that refers a reader to a page other than said current page of said corresponding hardcopy newspaper;
- (ii) "headline text" that introduces a story;
- (iii) "URL text" that defines a URL for a web site;
- (iv) "e-mail address text" that defines an e-mail address;
- (v) "word location data" that define a location for each word of text on said current page of said corresponding hardcopy newspaper;
- (vi) "character location data" that define a location for each constituent character of each of said words of text on said current page of said corresponding hardcopy newspaper;
- (vii) "headline font data" that facilitate identification of headlines on said current page of said corresponding hardcopy newspaper; and,
- (viii) "refer font data" that indicate a presence of text that refers a reader to a page other than said current page of said corresponding hardcopy newspaper.

The system of Dasan is not related to any hardcopy newspaper as defined in claim 1 and, as such, Dasan does not teach or suggest "repeating steps a) through g) *for all pages of said hardcopy newspaper to generate and store a plurality of current page output data files corresponding respectively to a plurality of pages of said hardcopy newspaper.*"

The Rowe et al. Document (Rowe)

Nothing in Rowe overcomes the deficiencies of Dasan. Like Dasan, Rowe does not relate to processing an input data stream of a hardcopy newspaper to extract data required to define an enhanced version of the hardcopy newspaper as defined in claim 1. Rowe relates to the *general concept* of electronic documents and enhanced versions of same, but claim 1 is not seeking to encompass the general concept of enhanced electronic documents. Instead, claim 1 is directed to *a particular method of processing hardcopy newspaper data to identify and extract data therefrom and to derive/select other data based thereon so that all of same is then used to derive an enhanced electronic version of that particular hardcopy newspaper*. Nothing in Rowe discloses or fairly suggests such a method.

The Kubota et al. Document (Kubota)

Kubota also is unable to cure the defects of Dasan or Rowe. Kubota is also unrelated to the method defined in claim 1.

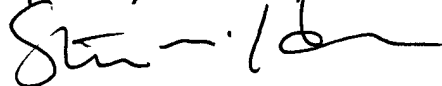
Kubota is somewhat similar to Dasan in that raw news from newspapers, publishers, television stations, etc. is summarized in a format such as shown in Fig. 2. The summary is then sent to users over satellite or the like and saved on a user device. The user can then review the summary news data and be linked to the full stories, broadcasts etc. as and when desired. Nothing in Kubota relates to processing data for multiple pages of a

hardcopy newspaper to identify and extract certain data therefrom as recited in claim 1, in order to generate an enhanced electronic version of the particular newspaper.

Conclusion

It is respectfully submitted that this application now meets all statutory requirements. A formal Notice of Allowance is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Steven M. Haas", with a stylized flourish at the end.

Steven M. Haas (Reg. No. 37,841)
Fay, Sharpe, Fagan, Minnich & McKee, LLP
1100 Superior Avenue, 7th Floor
Cleveland, Ohio 44114-2518
(216) 861-5582